

PROJECT REPORT

Submitted To:

**Mr. Douglas A Fisher
Site Investigation Section
Indiana Dept. of Environmental Management
Office of Environmental Response
2525 N. Shadeland Ave.
P.O. Box 6015
Indianapolis, Indiana 46206-6015**

Project:

**School City of East Chicago
Carrie Gosch Elementary School
Lead Contaminated Soil Cleanup**

Date Submitted:

April 3, 1998

Prepared By:

**Amereco, Inc.
Environmental Engineering
679 Aspen Drive
Valparaiso, Indiana 46383
(219) 464-0460**

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AMERECO, INC.

ENVIRONMENTAL ENGINEERING

April 3, 1998

Mr. Douglas A Fisher
Site Investigation Section
Indiana Dept. of Environmental Management
OFFICE OF ENVIRONMENTAL RESPONSE
2525 N. Shadeland Ave.
P.O. Box 6015
Indianapolis, Indiana 46206-6015

**Re: School City of East Chicago
Carrie Gosch Elementary School
Lead Contaminated Soil Cleanup**

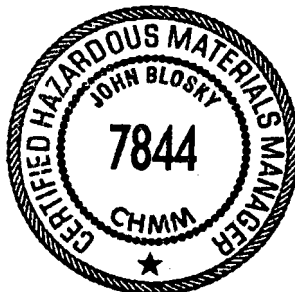
Dear Mr. Fisher:

Attached is a complete report detailing the cleanup procedures for the above captioned site.

Please call if you have any questions.

Respectfully submitted,

John Blosky, CHMM
Consulting Engineer



c: Ms. Nadyne Kokot
Mr. Frank Kollintzas
Mr. Kevin Knight
Mr. Michael Ilko
Mr. Thomas Echterling



APPENDIX A

**Initial Site Investigation
(IDEM)**

State Form 4336

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**INDIANAPOLIS****OFFICE MEMORANDUM****DATE:** August 28, 1997**TO:** Anaconda Lead
3B1 File**THRU:****FROM:** Douglas A. Fisher
Project Manager/Site Investigations**SUBJECT:** Lead exposure investigation of the Carrie Gosch School Property, East Chicago**Anaconda Lead/Carrie Gosch School****Background**

IDEM was contacted in July 1997 by the U.S. EPA regarding the former Anaconda Lead facility located in East Chicago, Indiana. Apparently during an ongoing lead exposure survey at and around the USS Lead facility located 1/4 mile south east of the former Anaconda Lead site, EPA noticed an ongoing construction project at the Carrie Gosch Elementary School located six (6) blocks north of the former Anaconda site. The concern being the possibility of increased lead exposure to the school children associated with the construction project, as well as, the past lead facilities operation in what is now a residential neighborhood.

IDEM Actions

Based on the available information, the Site Investigation Section conducted surface soil sampling at the Carrie Gosch School and in the West Calumet Housing Complex, a residential area located immediately south of the school. Sample media was limited to the top 2" and analyzed for total lead. Drinking water is supplied by Lake Michigan, therefore, groundwater was not a focus of this investigation.

page 2

Anaconda Lead

Results

The initial sampling event took place on July 10, 1997 and consisted of five (5) surface soil samples (see attached map). Of the samples obtained, one sample located on the Carrie Gosch School System property had lead levels above the IDEM action level of 400 ppm total lead. Due to the elevated lead level at this location, an additional sample event took place on July 25, 1997. The purpose of the second sampling event was to confirm the original results, determine the extent of contamination, and obtain additional information from the West Calumet housing area to assure lead exposure was not a problem.

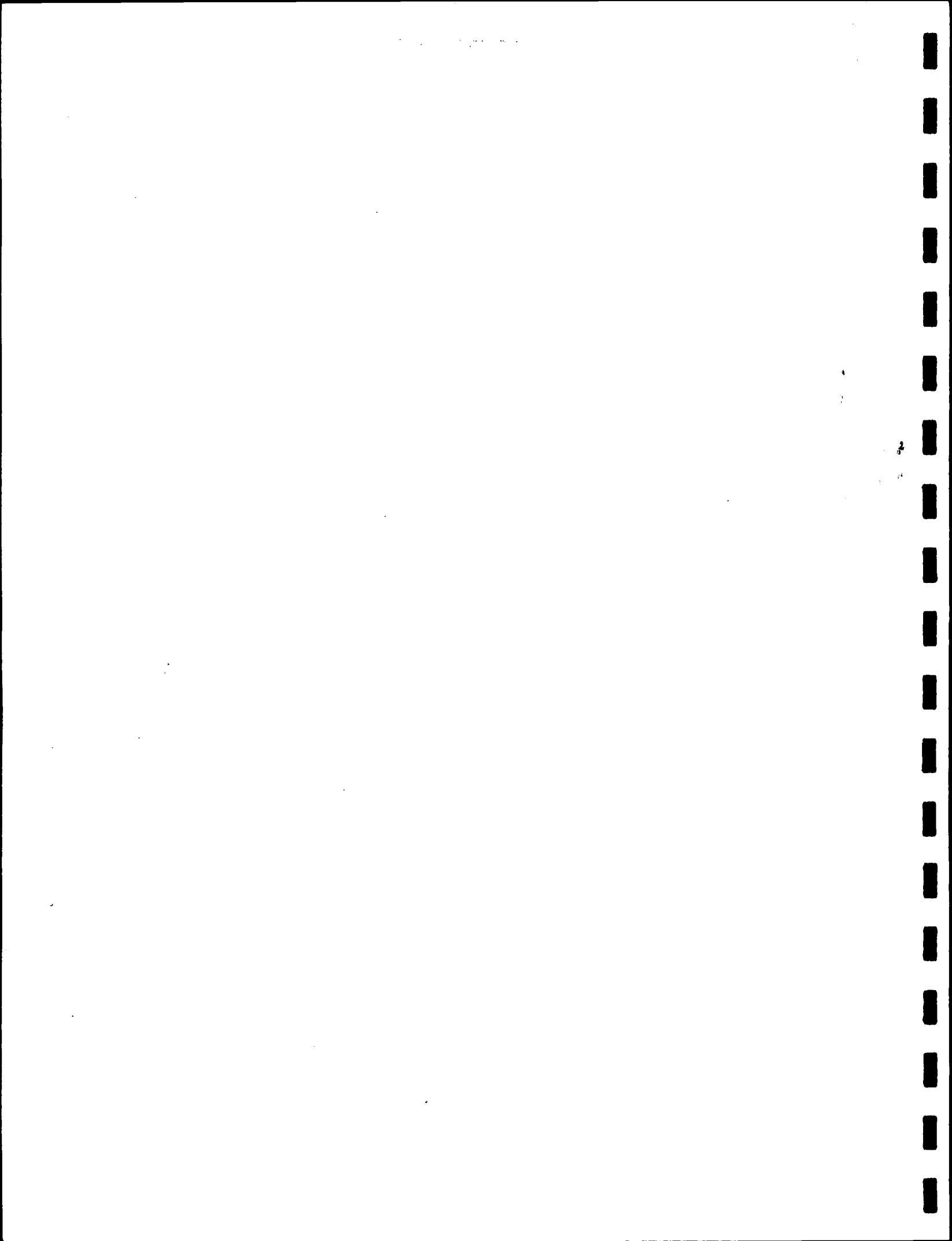
Of the seven (7) samples collected during the second sampling event only one (1) sample was above the 400 ppm total lead action level. The location of this elevated reading confirmed the previous sample location with the elevated lead levels. The samples obtained from the West Calumet Housing Complex had below action level results.

Recommendations

All parties will be contacted and informed of the results. Bittner & Detella (Carrie Gosch Schools Contractor) have been contacted and advised of the results. The area of contamination will need to be addressed with a follow up report due to IDEM upon completion of remediation.

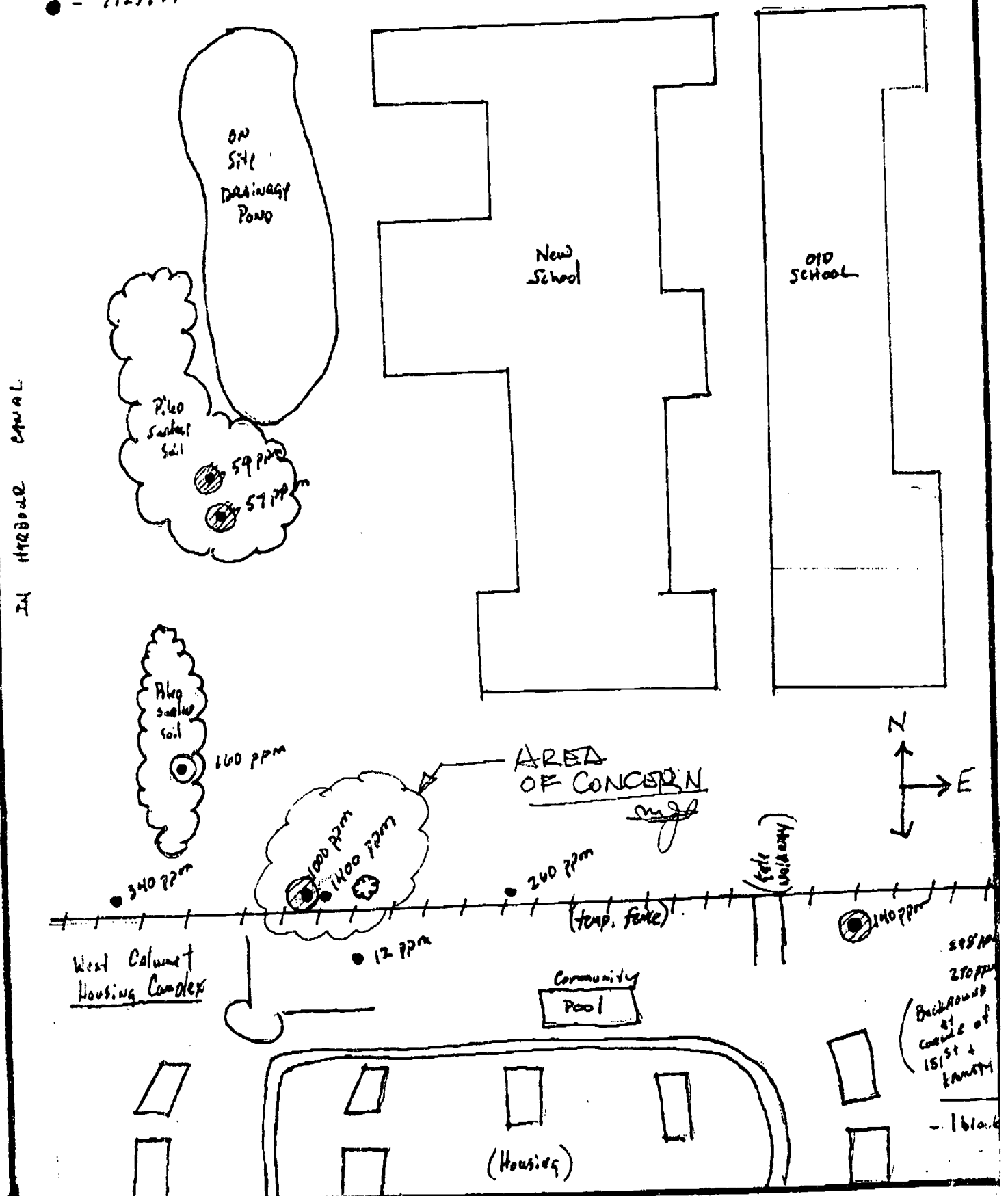
cc: Bittner

cc: Great Lakes Environmental



CARRIE GASCH SCHOOL

- - 7/10/97
- - 7/25/97





APPENDIX B

**Site Investigation / Characterization
(Amereco)**

City Park Property
&
Housing Development

40' 20' 10' 0'
Scale
(Approx.)

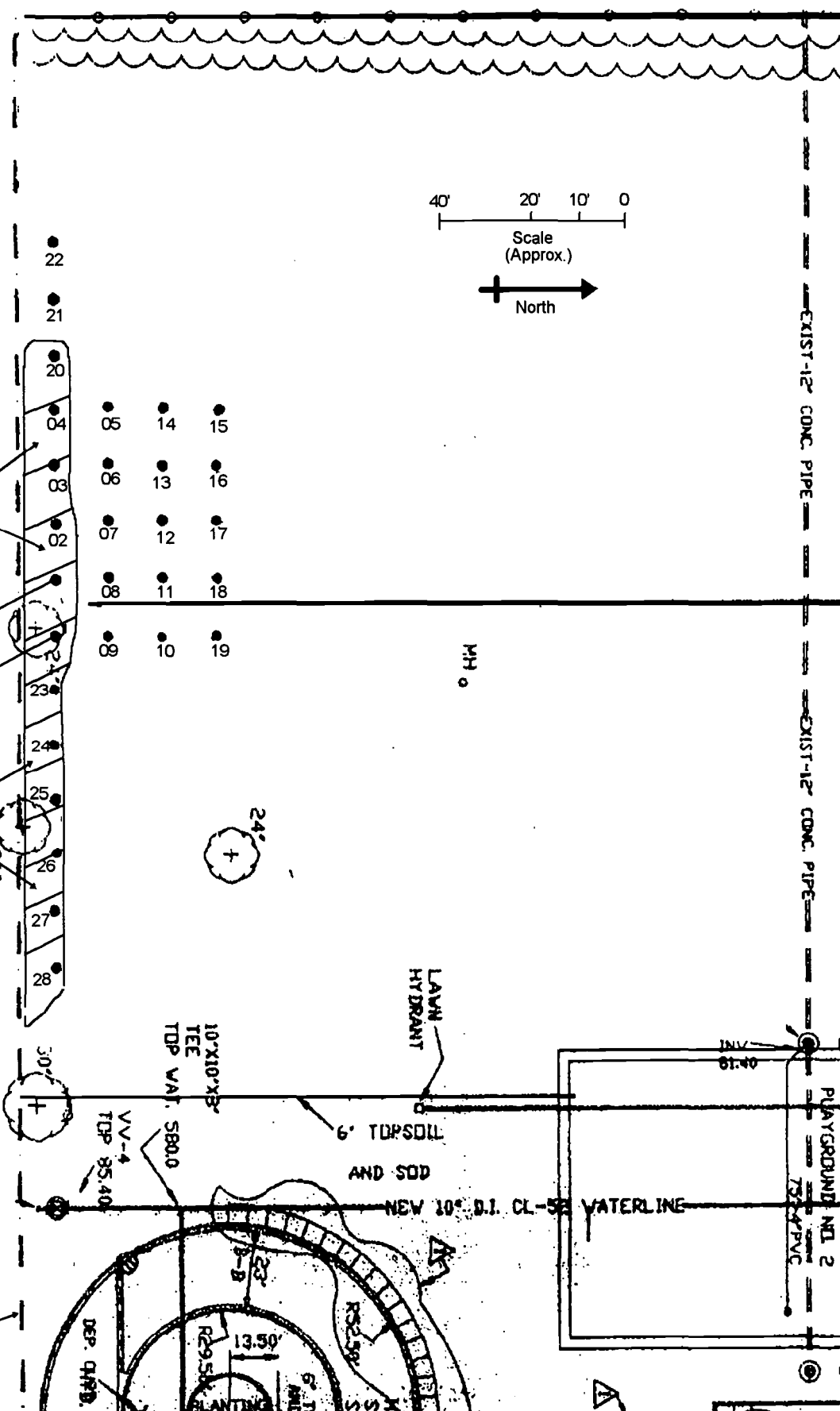


Area of Elevated
Lead/Soil Levels

IDEM Sample

Area of Elevated
Lead/Soil Levels

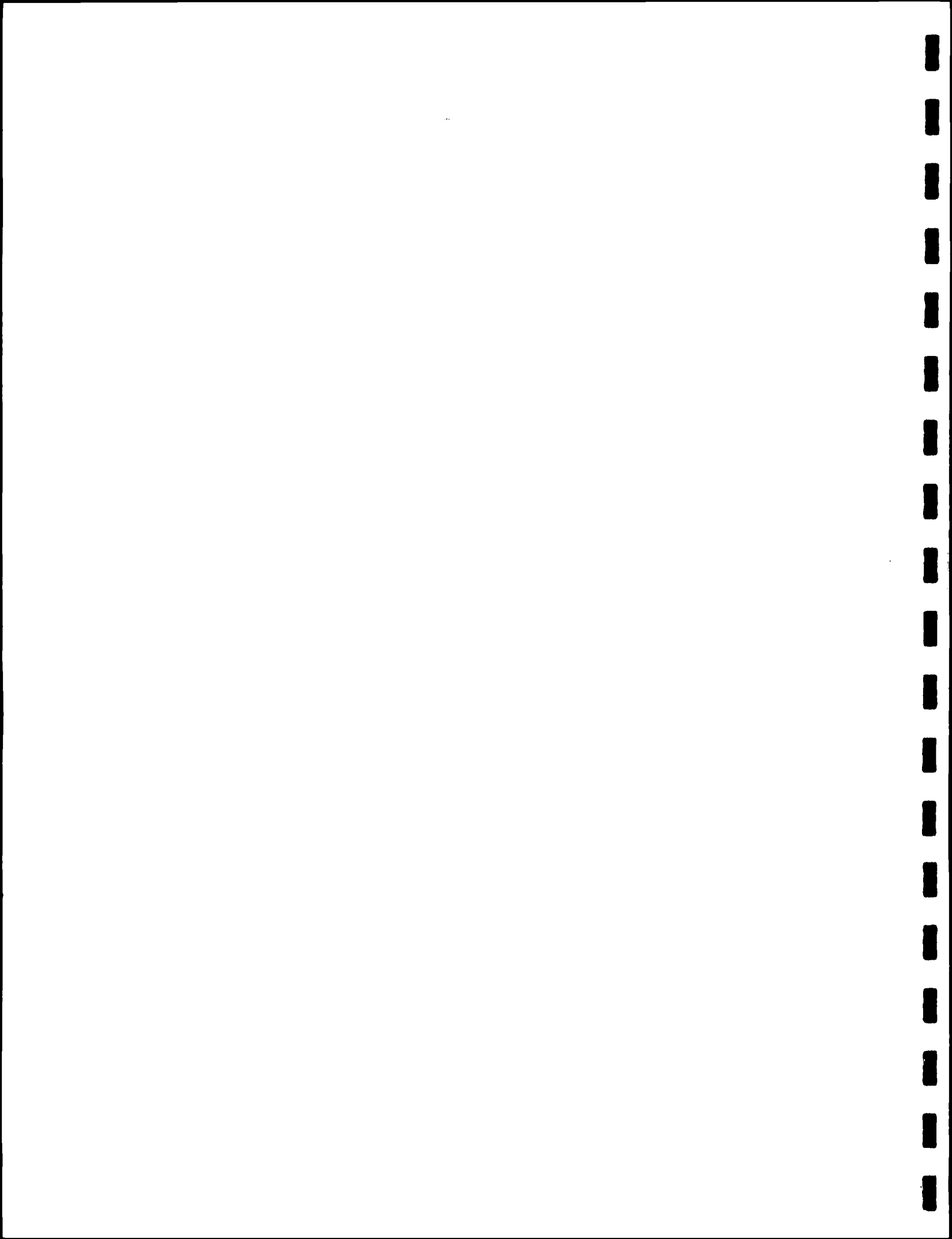
Approx. Location
of Property Line
(Temporary Fence)



Amereco Incorporated
Environmental Engineering

Project: School City of East Chicago
Carrie Gosch E.S. - Lead / Soil Remediation

Date: 12-04-97





AMERECO, INC.

ENVIRONMENTAL ENGINEERING

SAMPLE LOG FORM and Analytical Report

Client: School City of East Chicago
c/o Mr. Michael Ilko
Bittner & DeTella, Architects
4718 Indianapolis Boulevard
East Chicago, Indiana 46312

Facility/Location: Carrie Gosch Elementary School
445 East 148th Street
East Chicago, Indiana 46312

Date Collected: November 6, 1997

Collected By: John Blosky

Analysis: Lead (Pb) in Bulk Soil Samples

Method: Atomic Absorption Spectrometry (AAS)
SW846-7421

Sample ID	Matrix	Location	Results (ppm)
01	Soil	15 feet east of the IDEM sample location.	3230.00
02	Soil	15 feet west of the IDEM sample location.	2640.00
03	Soil	30 feet west of the IDEM sample location.	1800.00
04	Soil	45 feet west of the IDEM sample location.	1290.00
05	Soil	15 feet north of sample #04.	38.60
06	Soil	15 feet north of sample #03.	57.70
07	Soil	15 feet north of sample #02.	89.00
08	Soil	15 feet north of the IDEM sample location.	49.50
09	Soil	15 feet north of sample #01.	45.00
10	Soil	30 feet north of sample #01.	72.00
11	Soil	30 feet north of the IDEM sample location.	47.40



Sample ID	Matrix	Location	Results (ppm)
12	Soil	30 feet north of sample #02.	50.30
13	Soil	30 feet north of sample #03.	51.90
14	Soil	30 feet north of sample #04.	31.00
15	Soil	45 feet north of sample #04.	33.20
16	Soil	45 feet north of sample #03.	17.70
17	Soil	45 feet north of sample #02.	28.20
18	Soil	45 feet north of the IDEM sample location.	63.80
19	Soil	45 feet north of sample #01.	30.60

Analyzed by: Stat Analysis Corporation

Ref Number: 75047

Submitted by: _____

John B. Leary



AMERECO, INC.

ENVIRONMENTAL ENGINEERING

SAMPLE LOG FORM and Analytical Report

Client: School City of East Chicago
c/o Mr. Michael Ilko
Bittner & DeTella, Architects
4718 Indianapolis Boulevard
East Chicago, Indiana 46312

Facility/Location: Carrie Gosch Elementary School
445 East 148th Street
East Chicago, Indiana 46312

Date Collected: November 21, 1997

Collected By: John Blosky

Analysis: Lead (Pb) in Bulk Soil Samples

Method: Flame Absorption Spectrometry
SW846-3050

Sample ID	Matrix	Location	Results (ppm)
20	Soil	60 feet west of the IDEM sample location.	836.75
21	Soil	75 feet west of the IDEM sample location.	84.67
22	Soil	90 feet west of the IDEM sample location.	112.98
23	Soil	30 feet east of the IDEM sample location.	4583.24
24	Soil	45 feet east of the IDEM sample location.	1860.70

Analyzed by: EMSL Analytical, Inc.

Ref Number: IN971733

Submitted by: John Blosky





AMERECO, INC.

ENVIRONMENTAL ENGINEERING

SAMPLE LOG FORM and Analytical Report

Client: School City of East Chicago
c/o Mr. Michael Ilko
Bittner & DeTella, Architects
4718 Indianapolis Boulevard
East Chicago, Indiana 46312

Facility/Location: Carrie Gosch Elementary School
445 East 148th Street
East Chicago, Indiana 46312

Date Collected: December 3, 1997

Collected By: John Blosky

Analysis: Lead (Pb) in Bulk Soil Samples

Method: Flame Absorption Spectrometry
SW846-3050

Sample ID	Matrix	Location	Results (ppm)
25	Soil	60 feet east of the IDEM sample location.	1081.26
26	Soil	75 feet east of the IDEM sample location.	502.96
27	Soil	90 feet east of the IDEM sample location.	1743.07
28	Soil	105 feet east of the IDEM sample location.	1332.61
29	Soil	QA/QC sample - half of sample #25	989.99

Analyzed by: EMSL Analytical, Inc.

Ref Number: IN971831

Submitted by: _____

John Blosky



APPENDIX C

Notification of Regulated Waste Activity

Shipping and Disposal Manifests

Please refer to Section V: Line-by-line instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

DEC 11 1997

Fax 12-8-97

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)



A. Initial Notification

B. Subsequent Notification
(Complete Item C)

C. Installation's EPA ID Number

INR000014118

II. Name of Installation (Include company and specific site name)

CARRIE GOSCH ELEMENTARY SCHOOL

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

445 E 148TH STREET

Street (Continued)

City or Town

EAST CHICAGO

State

Zip Code

IN 46312-

County Code

County Name

089 LAKE

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

SAME

City or Town

State

Zip Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

BLOSKY

(First)

JOHN

Job Title

CONSULTING ENGR.

Phone Number (Area Code and Number)

219-464-0460

VI. Installation Contact Address (See Instructions)

A. Contact Address
Location Mailing

B. Street or P.O. Box

679 ASPEN DRIVE

City or Town

VALPARAISO

State

Zip Code

IN 46383-

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner

SCHOOL CITY OF EAST CHICAGO

Street, P.O. Box, or Route Number

210 E. COLUMBUS DRIVE

City or Town

EAST CHICAGO

State

Zip Code

IN 46312-

Phone Number (Area Code and Number)

219-391-4059

B. Land Type

M

C. Owner Type

M

D. Change of Owner
Indicator

Yes

X

No

(Date Changed)
Month Day Year

Page 10 of 10

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions)

A. Hazardous Waste Activity

1. Generator (See Instructions)
- ☒ a. Greater than 1000kg/mo (2,200 lbs.)
- ☐ b. 100 to 1000 kg/mo (220-2,200 lbs.)
- ☐ c. Less than 100 kg/mo (220 lbs.)

2. Transporter (Indicate Mode in boxes 1-5 below)

- ☐ a. For own waste only
- ☐ b. For commercial purposes

Mode of Transportation

- ☐ 1. Air
- ☐ 2. Rail
- ☒ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify

- ☐ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see Instructions.

4. Hazardous Waste Fuel

- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketers
- ☐ c. Boiler and/or Industrial Furnace

- ☐ 1. Smelter, Refractory
- ☐ 2. Small Quantity Exemption
- Indicate Type of Combustion Device(s)

- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace

- ☐ 5. Underground Injection Control

B. Used Oil Recycling Activities

1. Used Oil Recycling Marketer
- ☐ a. Marketer Directs Shipment of Used Oil to Off-Specification Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

2. Used Oil Burner - Indicate Type(s) of Combustion Device

- ☐ a. Utility Boiler
- ☐ b. Industrial Boiler
- ☐ c. Industrial Furnace

3. Used Oil Transporter - Indicate Type(s) of Combustion Device(s)

- ☐ a. Transporter
- ☐ b. Transfer Facility

4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)

- ☐ a. Process
- ☐ b. Re-refine

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable
(D001)2. Corrosive
(D002)3. Reactive
(D003)4. Toxicity
Characteristic

(List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D008															
--------------------------	--------------------------	--------------------------	-------------------------------------	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See Instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

John Blosky

Name and Official Title (Type or print)

JOHN BLOSKY, CONSULTING ENR.

Date Signed

12/05/97

XI. Comments

"ONE-TIME DISPOSAL"

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)





AMERECO, INC.

ENVIRONMENTAL ENGINEERING

FILE COPY

February 5, 1998

Marilyn J. Hansen, Environmental Manager
Hazardous Waste Data Analysis and Waste Minimization Section
Hazardous Waste Compliance Branch
Office of Solid and Hazardous Waste
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Re: Waste Manifest # MI 3048129

Dear Ms. Hansen:

Attached is waste manifest #MI 3048129.

Please call if you have any questions.

Sincerely,

John Blosky

cc: Michigan Department of Natural Resources
Waste Management Division



FILE COPY



**MICHIGAN DEPARTMENT
OF NATURAL RESOURCES**

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 64, P.A.
1979, as amended and Act 136, P.A.
1969.

Failure to file is punishable under
section 299.548 MCL or Section 10 of
Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. IND 000014118481R		Manifest Document No. 481R		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address EAST CHICAGO SCHOOLS CARRIE GOSCH 445 E 148th EAST CHICAGO, IN 46312						A. State Manifest Document Number MI 3048129							
4. Generator's Phone (219) 891-4142						B. State Generator's ID							
5. Transporter 1 Company Name CLEAN STREAMS INC						C. State Transporter's ID 2720							
6. US EPA ID Number IND 084874602						D. Transporter's Phone 219-844-1161							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address CITY ENVIRONMENTAL 1925 FREDERICK DETROIT, MI 48211						G. State Facility's ID							
10. US EPA ID Number MI 0980991566						H. Facility's Phone 313-923-0080							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER) HAZARDOUS WASTE SOLID N.O.S. (LEAD) 9, NA 3071, PG III						12. Containers No. Type		13. Total Quantity		14. Unit M/Vol		I. Waste No. N/H	
a. X						1		CM 00006		Y		30,000 14	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above Y = YARD/CUBIC							
15. Special Handling Instructions and Additional Information													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled; and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.													
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name X JOHN BLOSKY						Signature <i>John Blosky</i>						Date Month Day Year 10/12/98	
17. Transporter 1 Acknowledgement of Receipt of Materials												Date Month Day Year 10/13/98	
Printed/Typed Name DUANE KATHNITZER						Signature <i>Duane Kathnitzer</i>						Date Month Day Year 10/13/98	
18. Transporter 2 Acknowledgement or Receipt of Materials												Date Month Day Year	
Printed/Typed Name						Signature						Date Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Date Month Day Year	

These instructions require the manifest to be used for the transportation of all hazardous waste generated under the Hazardous Waste Management and Emergency Response Act (HWMER) of 1974, as amended, and (2) all waste from Federal facilities (including those regulated under RCRA) and the Federal Industrial Waste Act (FIWA) of 1960.

Forms can be obtained by calling Michigan Department of Natural Resources (MDNR) Waste Management Division at (517) 373-2730.

GENERATOR INSTRUCTIONS

Item 1. For shipments of regulated quantities of hazardous waste enter your U.S. EPA twelve digit identification number. To receive an EPA ID number a notification of hazardous waste activity, EPA Form 8700-12, must be submitted to the EPA.

Enter a unique, five digit number in the manifest document number space. (We suggest that you start with 00001 and progress to 99999.)

For an Act 136 liquid industrial waste only, a Michigan ID number may be used in place of the EPA ID number. To obtain a Michigan ID number call MDNR Waste Management Division at (517) 373-2730. The Michigan ID Number cannot be used by generators of RCRA hazardous wastes.

Item 2. If a continuation sheet is used, enter the total number of sheets here. A continuation sheet is used only when three or more transporters are utilized to transport the shipment. In all other cases, enter page 1 of 1.

Item 3. Enter your name and mailing address. The address should be the location that will manage the returned manifest forms.

Item 4. Enter a telephone number where your authorized agent may be reached 24-hours-a-day in the event of an emergency.

Item 5. Enter the company name of the first transporter who will transport the waste.

Item 6. Enter the U.S. EPA or Michigan twelve digit identification number of the first transporter identified in Item 5. If the shipment is hazardous waste, only a U.S. EPA ID number may be used.

Item 7. Enter the company name of the second transporter who will transport the waste, if applicable.

Item 8. Enter the U.S. EPA or Michigan twelve digit identification number of the second transporter identified in Item 7.

If three or more transporters are used, you must use an EPA form 8700-22A continuation sheet to identify all additional transporters. This is the only situation where a continuation sheet is to be used. You must indicate the transporter's company name and U.S. EPA or Michigan twelve digit identification number in Items 24-27 on the continuation sheet.

Photo copy the continuation sheet and distribute copies just as you do the manifest. Also place the manifest document number from Item A of page 1, in Item 1, of the continuation sheet. In addition to proper signatures where needed, these are the only items to be completed on the continuation sheets.

NOTE: Every transporter used between the generator and the designated facility must be listed.

Item 9. Enter the company name and site address of the facility designated to receive the waste listed on this manifest. The address must be the site address, which may differ from the company mailing address.

Item 10. Enter the U.S. EPA or Michigan twelve digit identification number of the designated facility identified in Item 9.

Item 11. Enter an X in the HM box if the waste is a hazardous material regulated by U.S. DOT (see 49 CFR 172.201).

Enter the U.S. DOT Proper Shipping Name, Hazard Class, and the DOT ID (UN/NA) number for each waste as identified in 49 CFR 171 through 177, and (RQ) when required.

If you need space to list additional waste types, use extra manifests to complete the waste listings for your shipment. Each manifest used should be completed in its entirety. You may not use continuation sheets to list additional waste shipments.

WASTE BEING TRANSPORTED TO AN OUT-OF-STATE FACILITY MUST BE PROPERLY CHARACTERIZED TO DETERMINE IF IT IS A HAZARDOUS WASTE IN THAT STATE. ANY WASTE WHICH IS DETERMINED TO BE A HAZARDOUS WASTE IN THE RECEIVING STATE MUST BE APPROPRIATELY IDENTIFIED IN ITEM J.

Item 12. Enter the number of containers for each waste and the appropriate abbreviation for the type of container:

DM = Metal drums, barrels, kegs	DT = Dump truck
DW = Wooden drums, barrels, kegs	CY = Cylinders
DF = Fiberboard or plastic drums, barrels, kegs	CM = Metal boxes, cartons, cases (including roll-offs)
TP = Tanks portable	CW = Wooden boxes, cartons, cases
TT = Cargo tanks (tank-trucks)	CF = Fiber or plastic boxes, cartons, cases
TC = Tank cars (railroad cars)	BA = Burlap, cloth, paper or plastic bag

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

Item 13. For any special handling, storage, or disposal treatment, storage, or disposal instructions for shipments of hazardous waste from the U.S. destination for treatment, storage, or disposal outside the jurisdiction of the United States, generators must enter the point of departure (City and State).

Item 16. The generator must read, sign (by hand), and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted directly below the lined out word. If another mode in addition to the highway mode is used, enter the appropriate additional mode (e.g., and rail) in the same location.

Item A. Michigan has preprinted the State manifest document numbers to assure a unique number for each manifest.

Items B - H. Not required to be completed under Michigan law. This information may be required by the generator state, if the waste was generated in a state other than Michigan.

Item I. For hazardous wastes, enter the hazardous waste number R299.5212 thru R299.9214 of the Michigan Administrative Code, or 40 CFR 261. If more than one waste number is required to adequately identify the waste, enter additional numbers in Item J. For liquid industrial wastes which are not regulated by RCRA or Act 64, enter the most appropriate waste numbers from Table 1 listed in these instructions.

N/H Column

For each waste listed, put an N in this column if the waste is a non-hazardous liquid industrial waste or a non-regulated hazardous waste. Put an H in this column if the waste is a regulated hazardous waste under RCRA or Act 64.

Item J. Include any safety precautions and/or specific properties of the waste not identified by DOT hazard class. Include all additional hazardous waste numbers applicable to the wastes listed in Item 11, lots a - d (i.e., if a waste is a mixture of several listed hazardous wastes, list the hazardous waste number of each component). Also include treatment standards for restricted wastes listed in Item 11, lots a - d.

Item K. For each hazardous waste in Item 11, identify any specific items that would fall in the following categories by listing the letter preceding the lot (a - d) and the appropriate code from this list in the small, lightly lined area on the right side of this box. For instance, if the lot on line c is a small quantity, list c, S. In the corresponding lines in the right hand side of Item K, for "T" through "Z", use primary regulatory authority for these categories:

C - Conditionally Exempt Small Quantity Generator	T - LUST Cleanup
H - Household Wastes	V - RCRA Closure
M - Mix. Combined, Commingled	W - RCRA Corrective Action
R - Recycled, Reclaimed, Used or Reused	X - Superfund Cleanup
S - Small Quantity Generator	Y - Act 307 Site
	Z - Other Cleanup including Spills

Distribution of Manifest

Before removing any copies, verify that all necessary information has been filled out and the necessary signatures affixed.

After the transporter signs and dates the manifest to certify receipt of the waste, remove the top (white) and bottom (goldenrod) copies of the manifest and give the balance of the manifest to the transporter. If more than one transporter will be used, you must provide a photo copy of the manifest for each additional transporter.

Where more than two transporters have been used, the continuation sheet(s) must be signed. A copy of each continuation sheet must accompany each copy of the manifest and be distributed in accordance with these instructions.

Send the white copy to the DNR no later than the 10th day of the month following the shipment. The blue copy signed by the disposal facility and returned to you must be retained for three years.

For shipments from non-Michigan generators, the generator must send a photo copy of the manifest to the regulatory agency of the generator state when so required. An additional copy must also be provided to the transporter for submittal by the TSDF to the regulatory agency of the generator state when so required by the generator state.

Nondeliverable Wastes

If an emergency prevents a transporter from delivering the generator's shipment to the designated treatment, storage, or disposal facility the transporter will call the generator asking for information on an alternate facility that can accept the waste. The generator shall either designate another facility or instruct the transporter to return the waste.

Waste	Waste No.	Waste	Waste No.
Acid Solutions	0001	Ceramic Oil	0001
Alkaline Solutions	0002	Cutting Oil	0002
Etching Fluids	0003	Coolants and Water Solutions	0003
Painting Wastes	0004	Lubricating Oil	0004
Halogenated Solvents	0005	Other Oil	0005
Non-Halogenated Solvents	0006	Brine	0006
Mixed Solvents	0007	Drilling Muds (Gas and Oil Operations)	0007
Peroxides	0008	Oil Field Tank Bottoms	0008
Papermill Wastes	0009	Mixed Oil Residue	0009
Ink Residues	0010	PCB, PBB contaminated Materials	0010
Paint and Pigments Residue	0011	Radioactive Residues	0011
Pesticide Residues	0012	Food Processing Wastes	0012
Herbicide Residues	0013	Other Wastes (Describe in Item J)	0013
Pharmaceutical Wastes	0014		
Lacrimators, Amides, Mercaptans	0015		
Plasticizers, Resins, Monomers, Elastomers	0016		

TRANSPORTER INSTRUCTIONS

Item 17. Print the name of the person accepting the waste on behalf of the first transporter. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

Item 18. Print, if applicable, the name of the person accepting the waste on behalf of the second transporter. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

International Shipments

Exports - You must sign and enter the date the waste left the United States in Item 15.

Imports - Shipments of hazardous waste regulated by RCRA and transported into the United States from another country must, upon entry, be accompanied by the U.S. EPA Uniform Hazardous Waste Manifest.

If you transport hazardous waste into the United States from another country you are responsible for completing the generator portion of the manifest (40 CFR 263.10(c)(1)).

Distribution of Manifest

Upon delivery of the shipment to the TSDF, give the remaining copies of the manifest to the TSDF representative. The TSDF representative must sign and date the manifest upon acceptance of the waste and return the canary copy of the manifest to you.

Nondeliverable Waste

When an emergency prevents delivery of the waste to the designated facility, the transporter may call the generator to obtain the name of an alternate TSDF. The generator shall either designate another facility or instruct the transporter to return the waste.

The transporter shall legibly print the name and phone number of the person at the generator facility who provided information to the transporter, in the comments section.

TREATMENT, STORAGE, OR DISPOSAL FACILITY INSTRUCTIONS

Item 19. An authorized representative of the designated (or alternate) facility must note in this space any significant discrepancy in the waste shipment as defined in 40 CFR 264.72.

If significant discrepancies cannot be resolved within 15 days of receiving the waste, you must submit to your U.S. EPA Regional Administrator, a letter with a copy of the manifest at issue describing the discrepancy and attempts to reconcile it (40 CFR 264.72 and 265.72). A copy of this letter should also be submitted to the Michigan Department of Natural Resources to the address in these instructions.

Item 20. Print or type the name of the person accepting the waste on behalf of the TSDF. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

Distribution of Manifest

Return the canary copy of the manifest to the transporter, send the blue copy to the generator, and the pink copy to the MDNR (no later than the 10th day of the month following shipment). Retain the green copy for your records.

A photo copy may be required by the regulatory agency of an out-of-state generator.

Rejected shipments - retain the unsigned green copy and return the remaining copies of the manifest to the transporter.

ADDRESS ALL MDNR MANIFEST COPIES TO:

Michigan Department of Natural Resources
Waste Management Division
P.O. Box 30038
Lansing, Michigan 48909 (517) 373-2730

02/24/98 TUE 14:11 FAX 313 923 0217

C E I

002

DNR
MICHIGAN DEPARTMENT
OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

1974 to 1989 and Act 136, P.A. 1989

Failure to file is punishable under section 238.848 MCL or Section 10 of Act 136, P.A. 1989.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address EAST CHICAGO SCHOOLS CARRIE GOTTEN 455 E 178th EAST CHICAGO, IN 46312						A. State Manifest Document Number MI 3048129							
4. Generator's Phone (219) 391-4112						B. State Generator's ID							
5. Transporter 1 Company Name CLEAN STREAMS, INC						C. State Transporter's ID 2720							
6. US EPA ID Number IND 984874602						D. Transporter's Phone 219-844-1161							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address CITY ENVIRONMENTAL 1923 FREDERICK DETROIT, MI 48211						G. State Facility's ID							
10. US EPA ID Number						H. Facility's Phone 313-923-0080							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM ID NUMBER) HAZARDOUS WASTE SOLID N.O.S. (LEAD) 9, NA 3071, PG III						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No. NA	
X						006		CFR 006		Y		0008	
16. Additional Descriptions for Materials Listed Above AS 281464 Emergency (630) 916-1697						K. Handling Codes for Wastes Listed Above Y = HARB/CNOC						a/ 7 b/ 1 c/ 1 d/ 1	
17. Special Handling Instructions and Additional Information													
18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the prefeasible method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR: if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name JOHN BLOSKY 219-464-0460						Signature [Signature]				Date 01/12/98			
19. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DUANE VAHUTZGA						Signature [Signature]				Date 01/13/98			
20. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature				Date			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name DUANE JONES													
Signature [Signature]						Date 01/13/98				Month Day Year			

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-252-1700 OR OUT OF STATE AT 517-373-7800 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-6863 24 HOURS PER DAY.





22700

Driver(s) Venturini/ P.O.Box 3059 Munster, Indiana 46321 Pickup Date/Time 1/26/98 10:00
Tractor 4791 Trailer 4771/502 219/844-1161 IND 984 874 602 Delivery Date/Time 1/20/98 2pm
Customer Safeguard P.O.# Verbal 2nd Delivery (if appl) _____

PICKUP GARY EMM ELEMENTARY SCHOOL USEPA ID# IND 024 274 776
Address 445 E. 140th Street State ID# IN
Cy,St,Zp East Chicago, Indiana 46312 Phone 502/005-0161
Contacts John Dolecki

DELIVERY CITY OF INDIANAPOLIS USEPA ID# IND 030 991 555
Address 1850 Corner State ID# IN
Cy,St,Zp Detroit, Michigan 48201 Phone 313/977-0200
Contacts _____

6 cubic yard boxes.

DRIVER INSTRUCTIONS

BILL OF LADING # _____

MANIFEST # AL-3048129

Qty/Units Volume	Material(Generic Name)	DOT Shipping Name,Hazard Class,UNNA#	EPA Haz#	Authorization #'s
100	White Solid	White Solid, UN1993, 3	3	State: IN Facil: 100/100/100
G P CY				State: Facil:
G P CY				State: Facil:
G P CY				State: Facil:
G P CY				State: Facil:

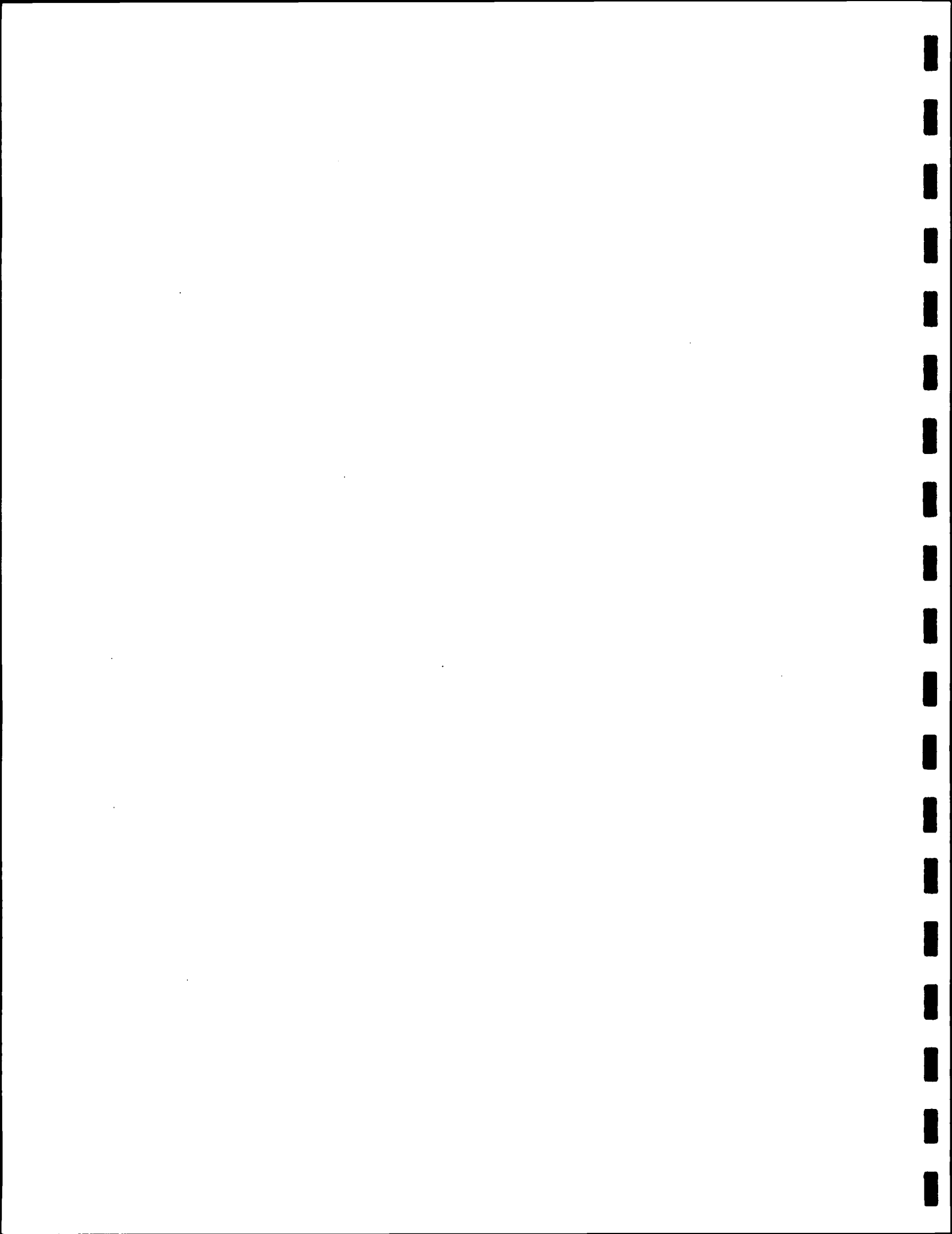
This is to certify that the above named materials are properly classified, described, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I understand that I am responsible for any costs incurred due to non-compliance of these regulations. My signature verifies that the actual pickup and/or delivery was made (unless otherwise specified, e.g. "trailer was dropped for unloading, pending material analysis"); my signature also verifies arrival & departure times.

[Signature] Date 1-26-98 Time In 10:45 am Time Out 11:15 am Total 18 hrs
Signature(Pickup)

Signature(Delivery)

Signature(2nd Delivery, if applicable)

COMMENTS





City Environmental, Inc.
1923 Frederick Street
Detroit, MI 48211
(313) 923-0080
(313) 923-0217 (FAX)

<NOTICE>

FROM GENERATOR FOR WASTES THAT DO NOT MEET LAND DISPOSAL TREATMENT STANDARDS

The wastes identified on manifest number MI 3048129 and bearing the EPA Hazardous Waste Number(s) D008 are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268 Subpart D or do not meet the prohibitions specified in 268.32 or RCRA section 3004(d). The treatment standards or prohibition levels applicable to each waste are identified below:

(Check all boxes that apply.)

- ☐ This shipment includes F001-F005 spent solvents, as identified on the attached sheet. (3)
- ☐ This shipment includes F039 multi-source leachate, as identified on the attached sheet(s). (4)
- ☐ This shipment includes D001 (5) and/or D002 (8) wastes prohibited under §268.37, as identified below. (1)
- ☐ This shipment includes RCRA Section 3004(d) California list wastes, as identified on the attached sheet. (2)
- ☒ This shipment includes one or more TC metals D004-D011 identified below.
- ☐ This shipment includes one or more TC organics D012-D043 identified below. (1)

Hazardous Waste No.	Subcategory ⁽⁶⁾	Treatability group ⁽⁷⁾	CFR Reference for Treatment Standard	Five-letter code(s)
<u>D008</u>	<u>N/A</u>	<u>NW</u>	<u>268.4</u>	<u>N/A</u>

(1) Must include form B (UTS)

(2) Must include form C (California list)

(3) Must include form D (F001-F005)

(4) Must include form E (F039)

(5) Subcategory for D001 reference by letter A & B.

(A) Ignitable wastes based on 40 CFR 261.21 (except for 261.21 (a) (1) high TOC subcategory), managed in Non-CWA / Non-CWA equivalent / Non Class I SDWA Systems. Less than 10% TOC.

(B) Ignitable wastes based on 40 CFR 261.21 (except for 261.21 (a) (1) high TOC subcategory), managed in CWA / CWA equivalent / Class I SDWA Systems. Less than 10% TOC.

(6) Subcategory (if any) can be determined from 40 CFR 268, subpart D.

(7) Treatability group is either "wastewater" or "nonwastewater."

(8) Subcategory for D002 is "Acid" or "Alkaline."

X John Blosky

Authorized Signature

FORM A



APPENDIX D

Photographic Documentation



Photograph #01: View of Site From West to East



Photograph #02: View of Site From East to West

